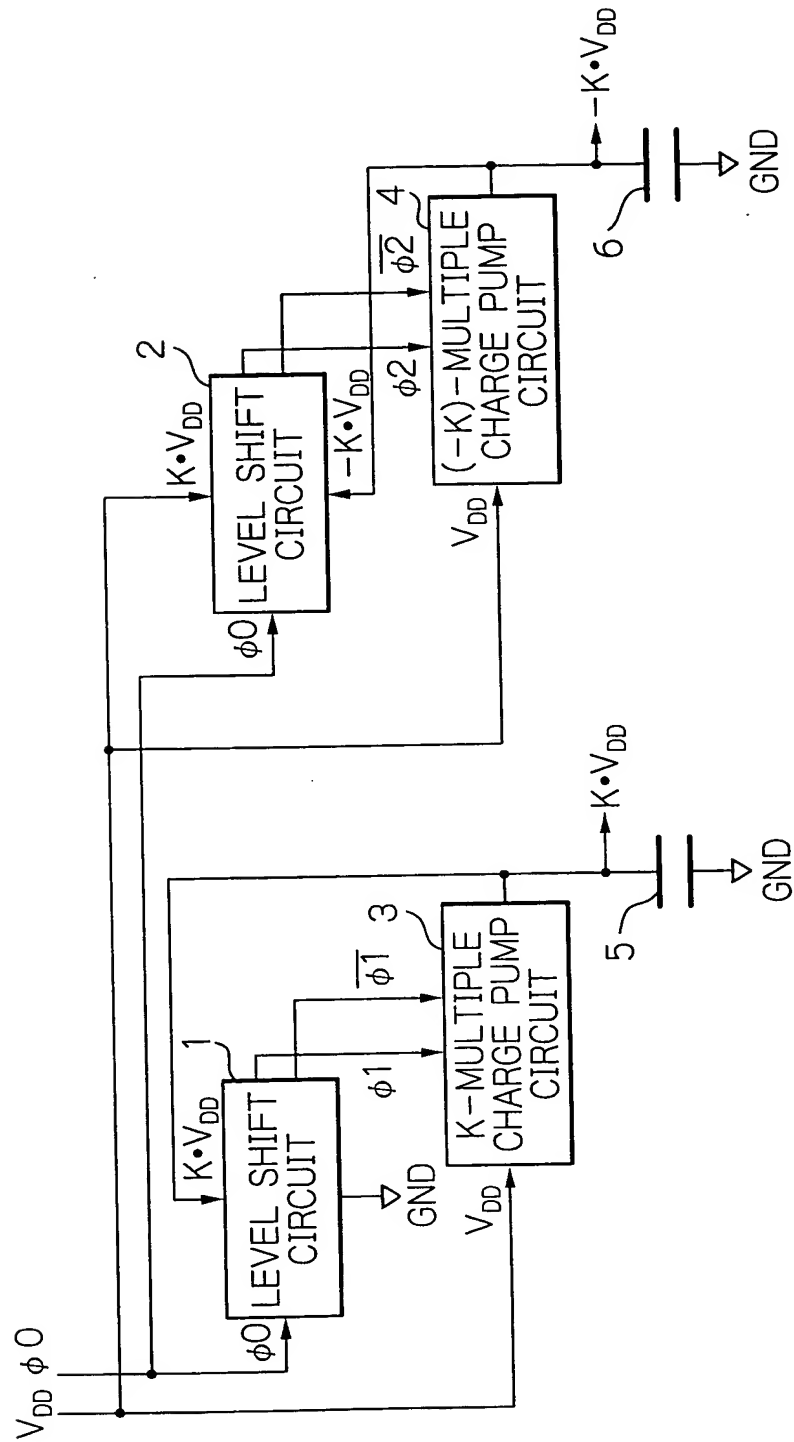


1/30

Fig. 1 PRIOR ART



2/
30

Fig. 2A

PRIOR ART

Fig. 2B

PRIOR ART

Fig. 2C

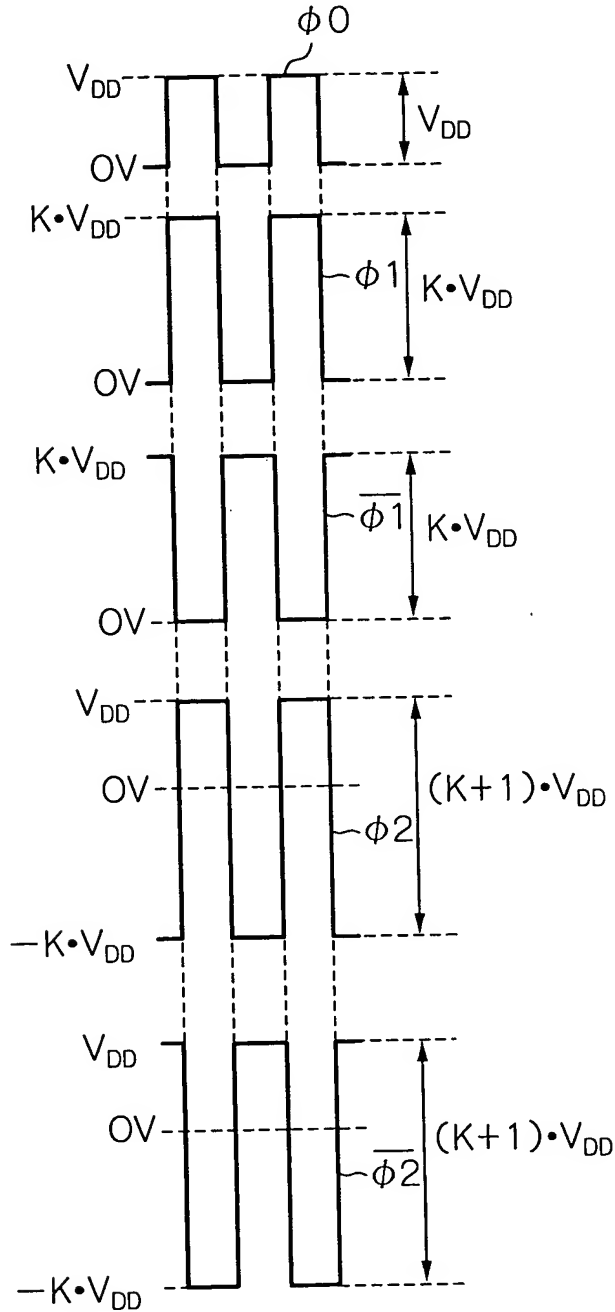
PRIOR ART

Fig. 2D

PRIOR ART

Fig. 2E

PRIOR ART



3/
30

Fig. 3 PRIOR ART

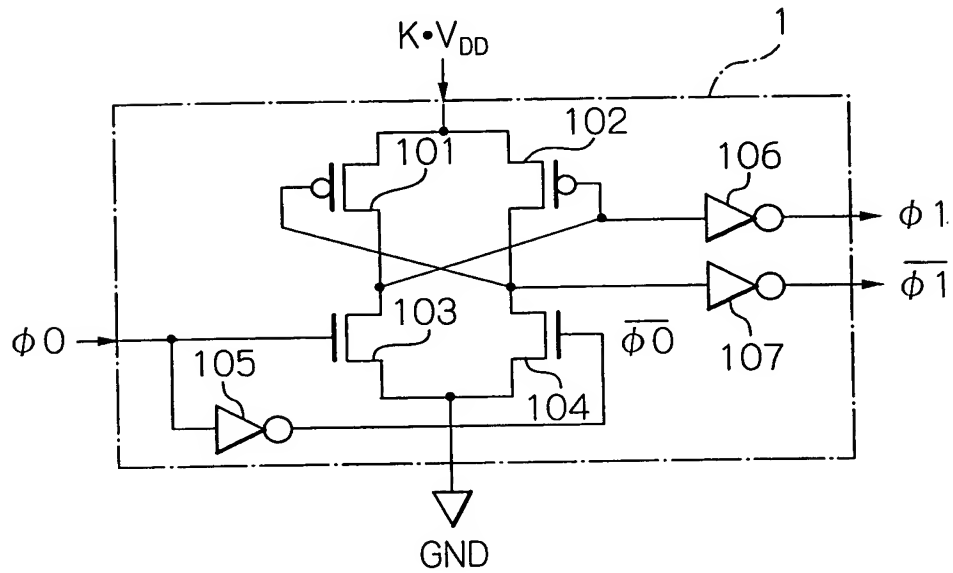
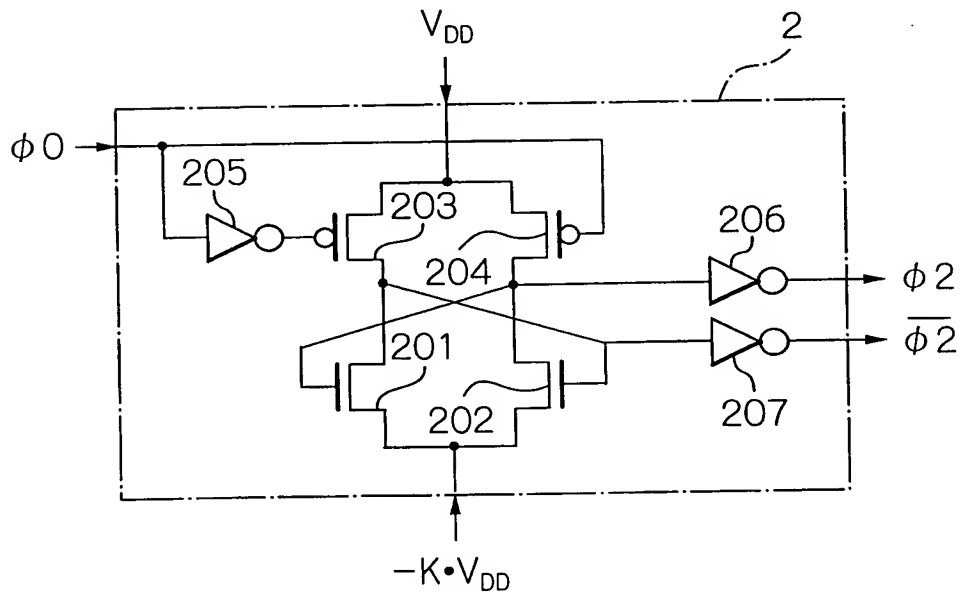
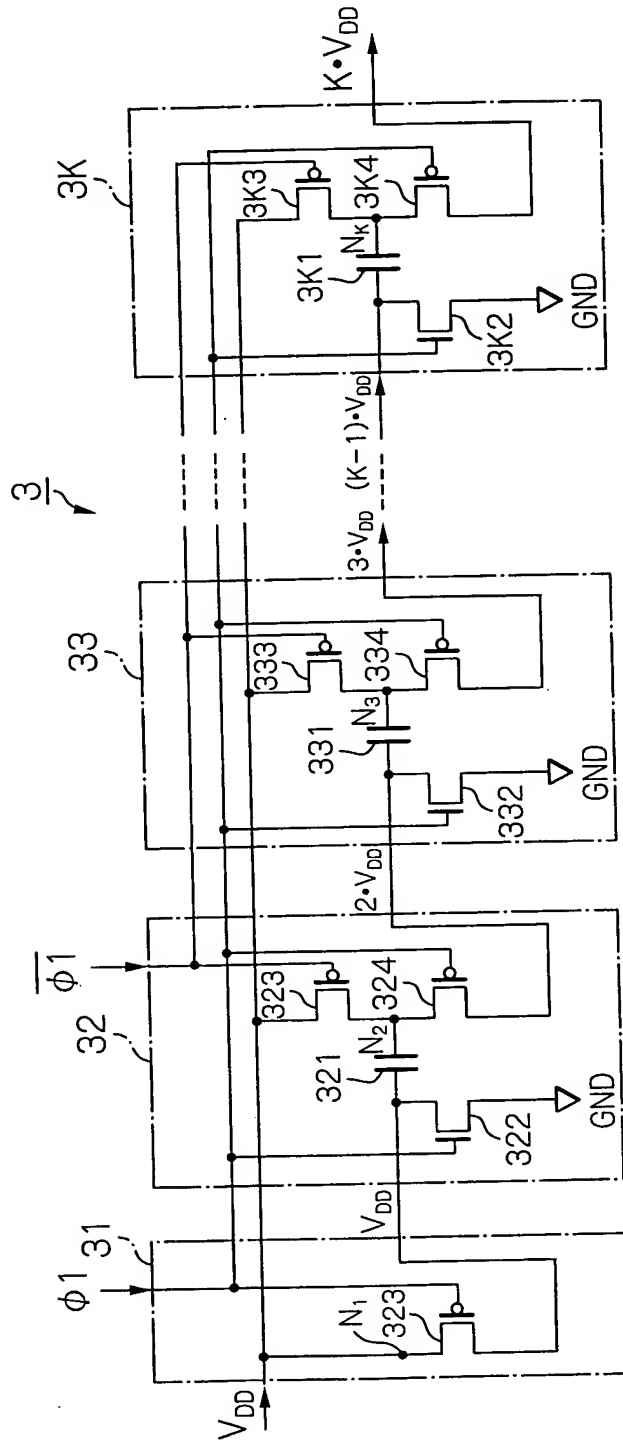


Fig. 4 PRIOR ART



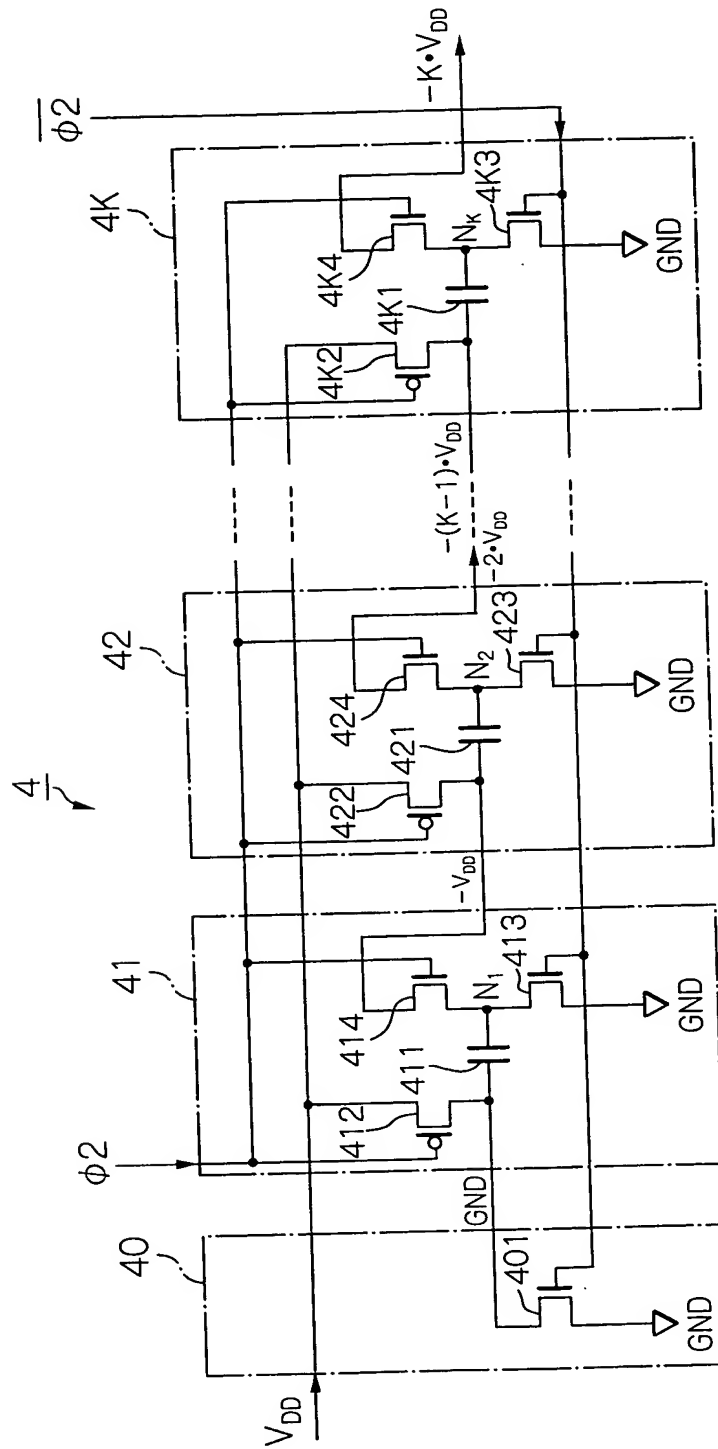
4/
30

Fig. 5 PRIOR ART

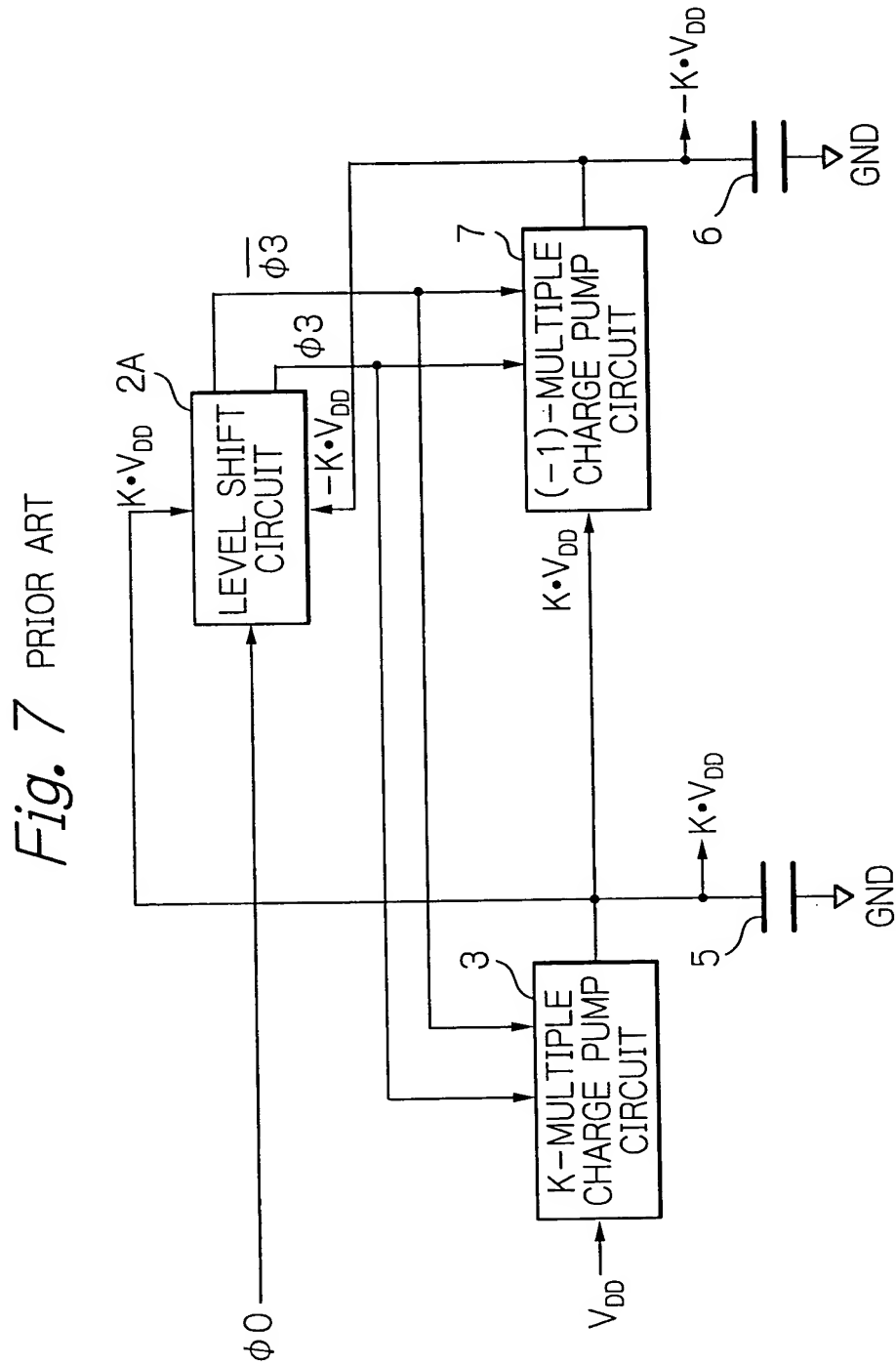


5
30

Fig. 6 PRIOR ART



6/
30



7/30

Fig. 8A
 PRIOR ART

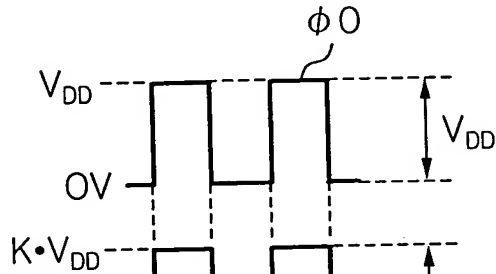


Fig. 8B
 PRIOR ART

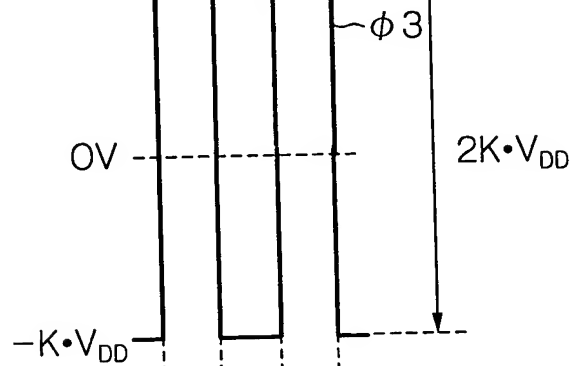
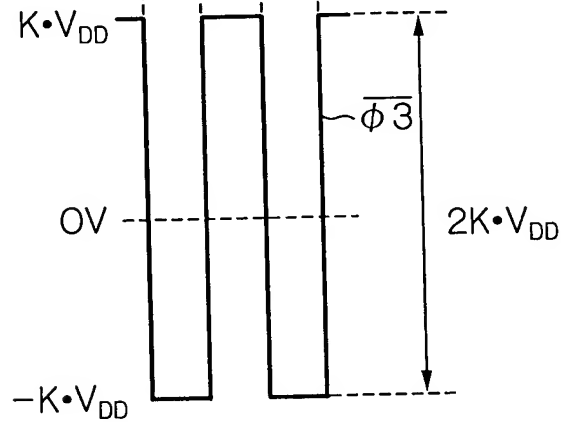
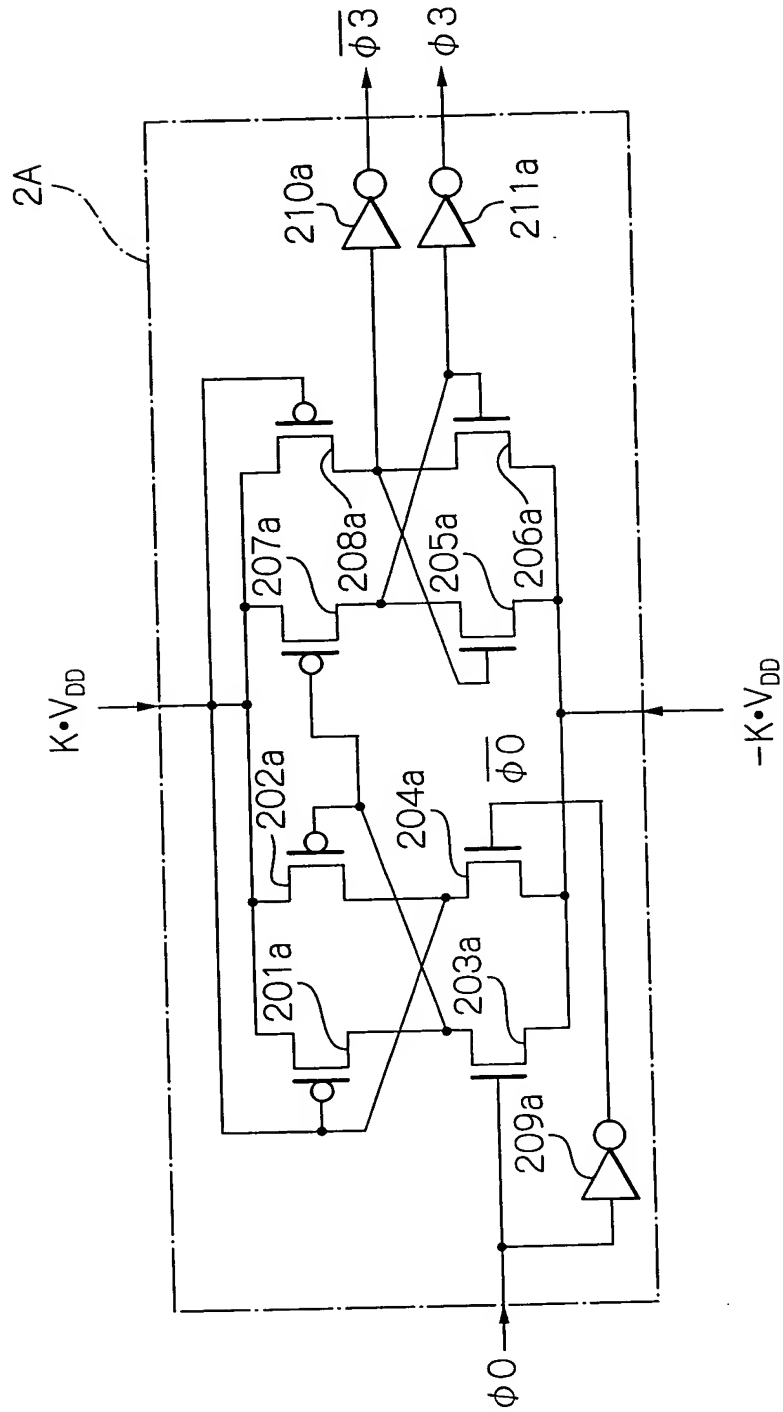


Fig. 8C
 PRIOR ART



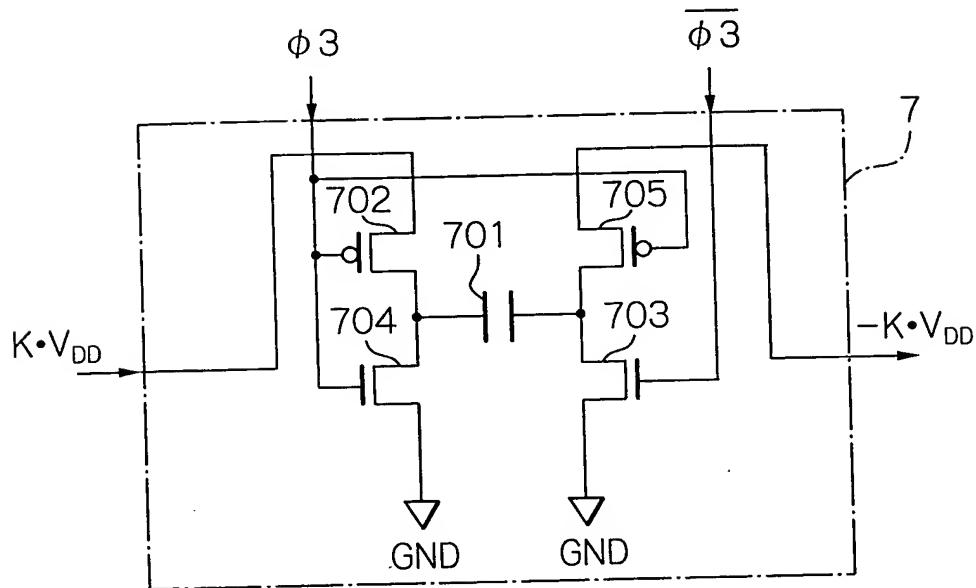
8
30

Fig. 9 PRIOR ART



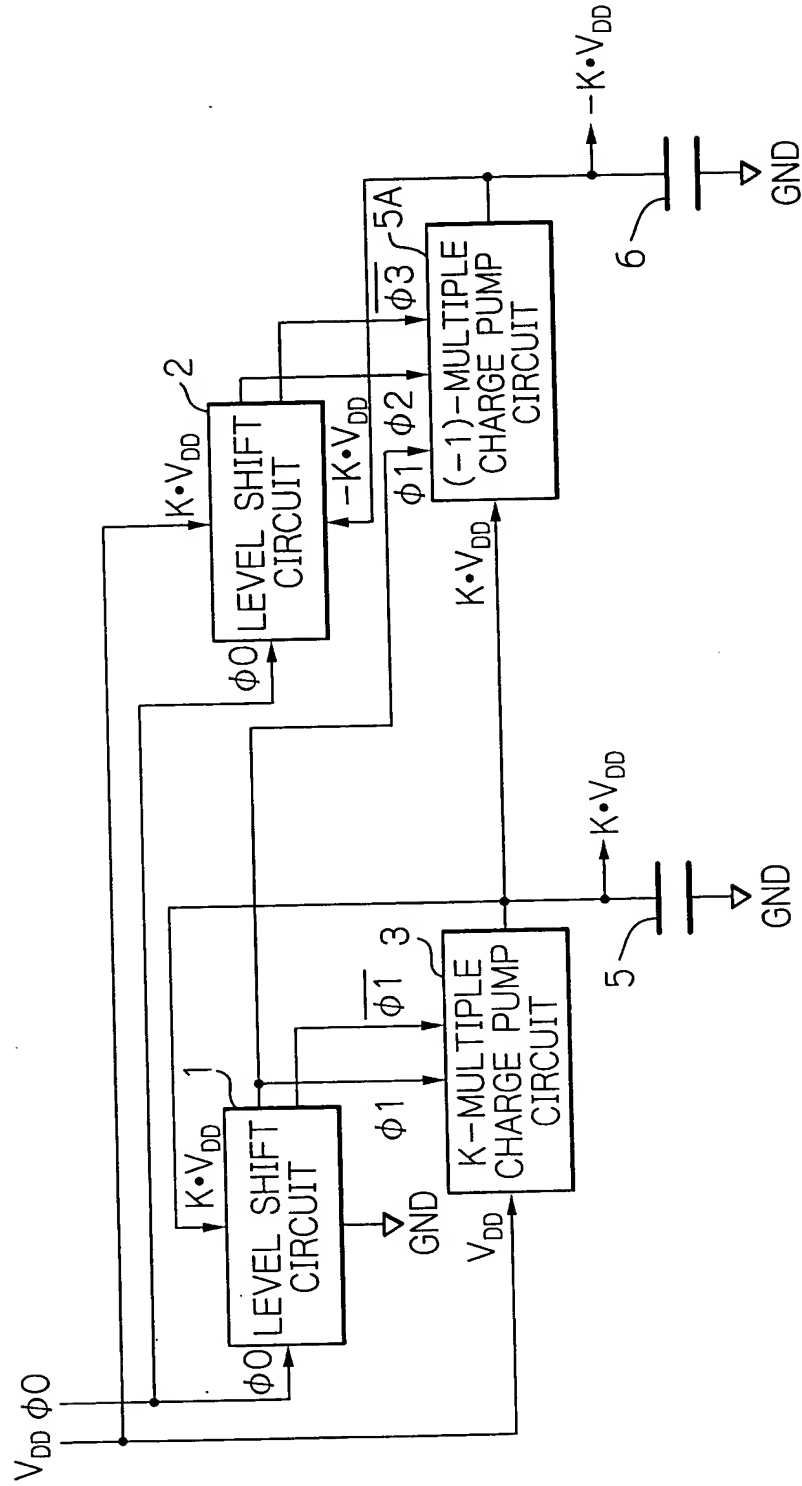
9/
30

Fig. 10 PRIOR ART



10/30

Fig. 11



11/30

Fig. 12A

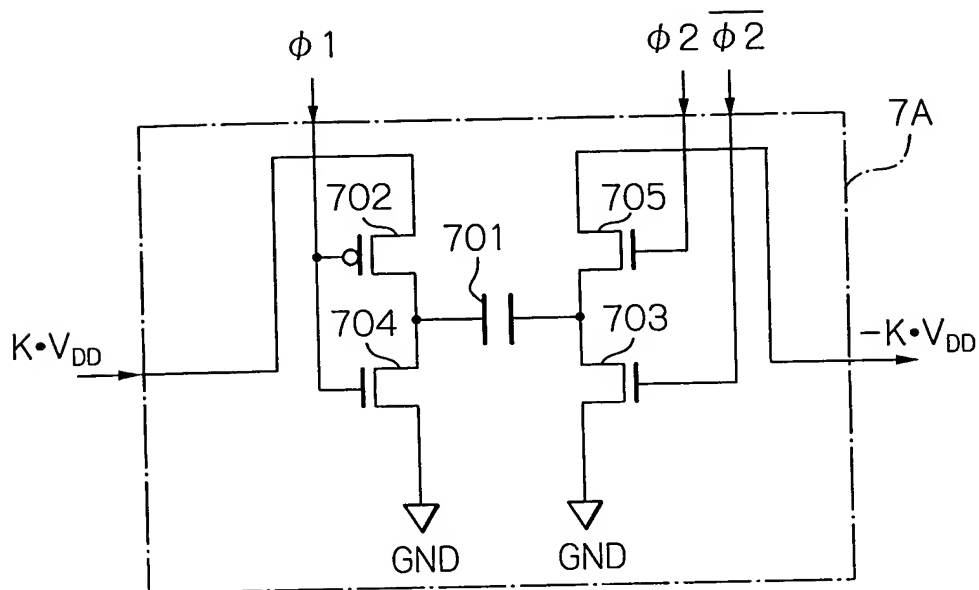
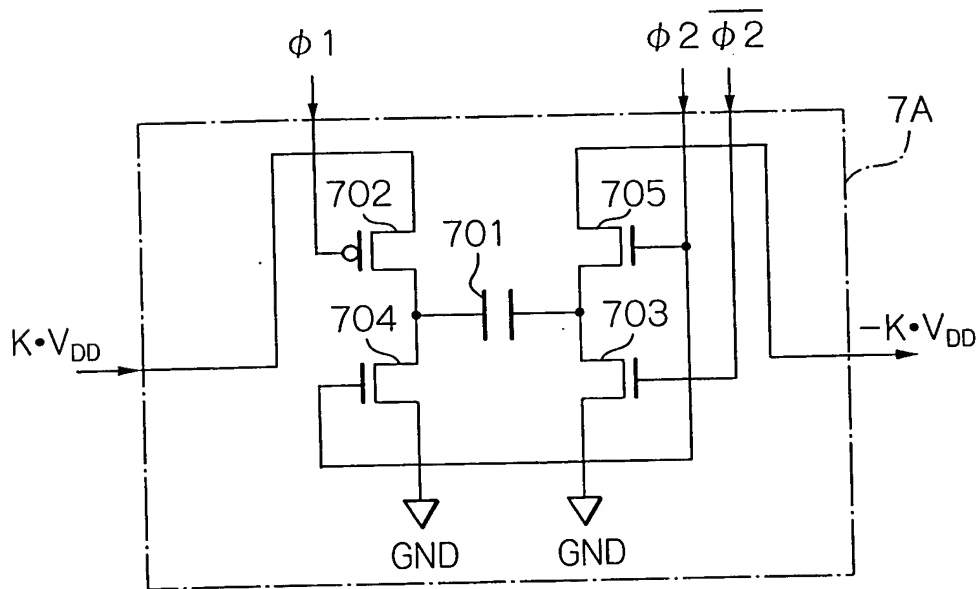


Fig. 12B



12/
30

Fig. 13

TRANSISTOR	ON GATE VOLTAGE	OFF GATE VOLTAGE
702	$< K \cdot V_{DD} - V_{DD} $	$> K \cdot V_{DD}$
703	$> V_{tn}$	$< -K \cdot V_{DD}$
704	$> V_{tn}$	$< 0V$
705	$> V_{tn} - K \cdot V_{DD}$	$< -K \cdot V_{DD}$

V_{tp} : THRESHOLD VOLTAGE OF P-CHANNEL MOS
 ($-V_{DD} < V_{tp} < 0V$)

V_{tn} : THRESHOLD VOLTAGE OF N-CHANNEL MOS
 ($0 < V_{tn} < V_{DD}$)

13/
30

Fig. 14

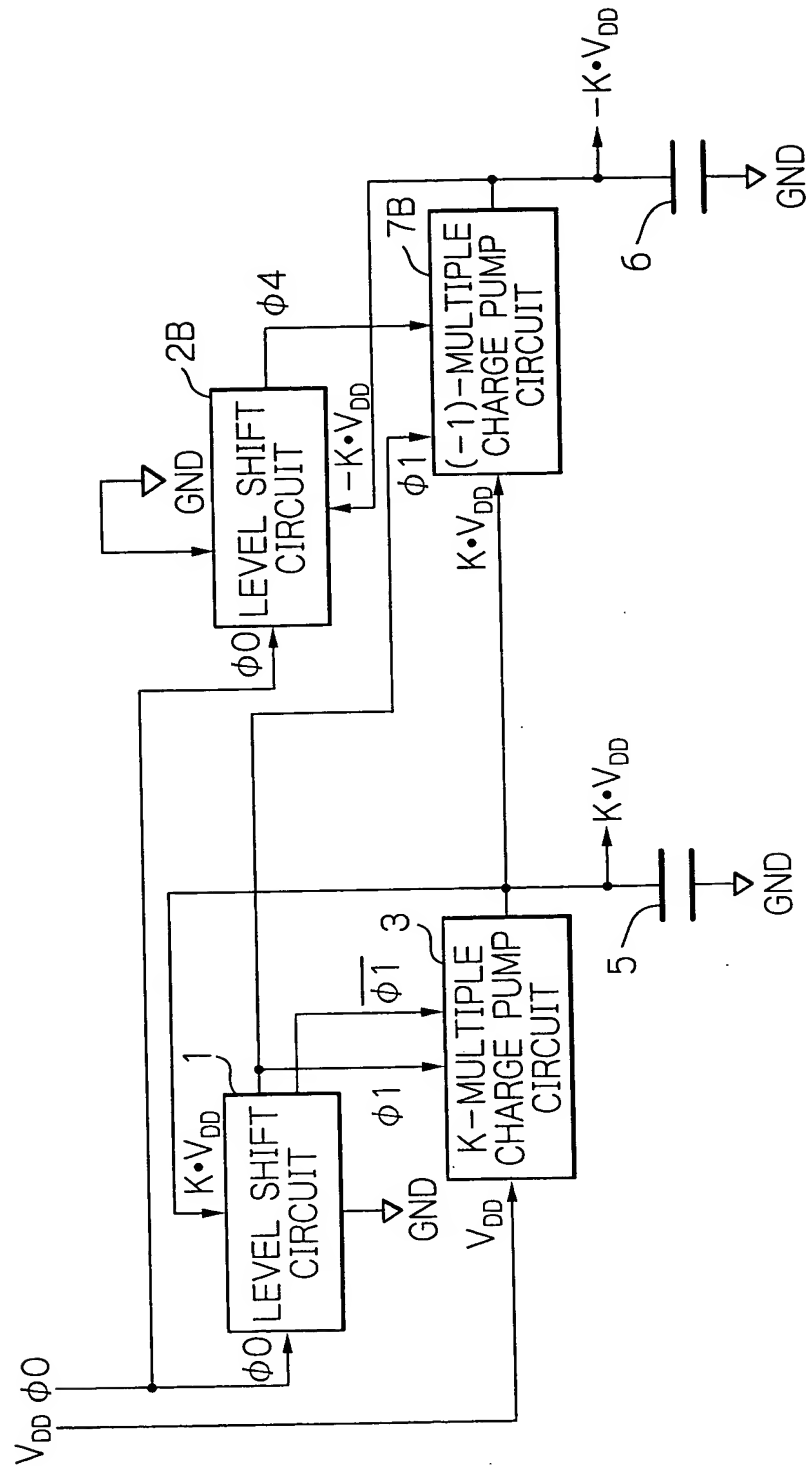


Fig. 15A

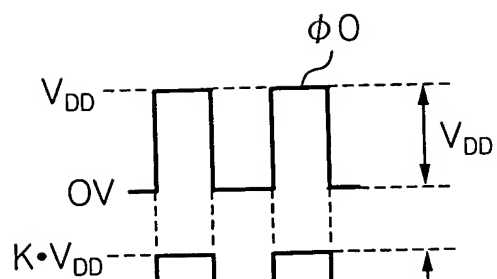


Fig. 15B

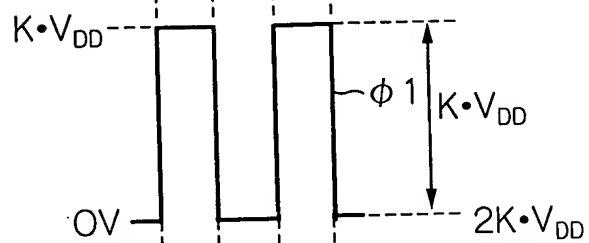


Fig. 15C

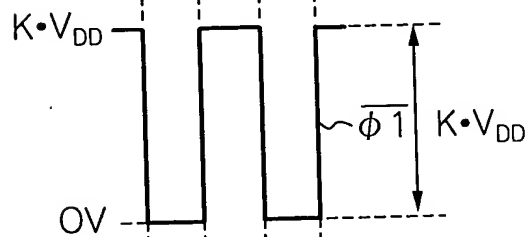


Fig. 15D

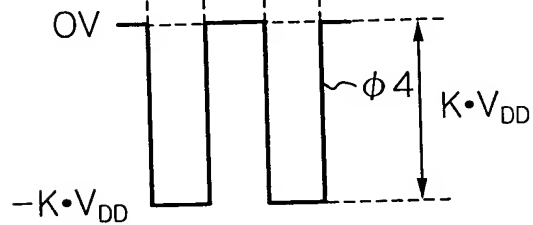


Fig. 16

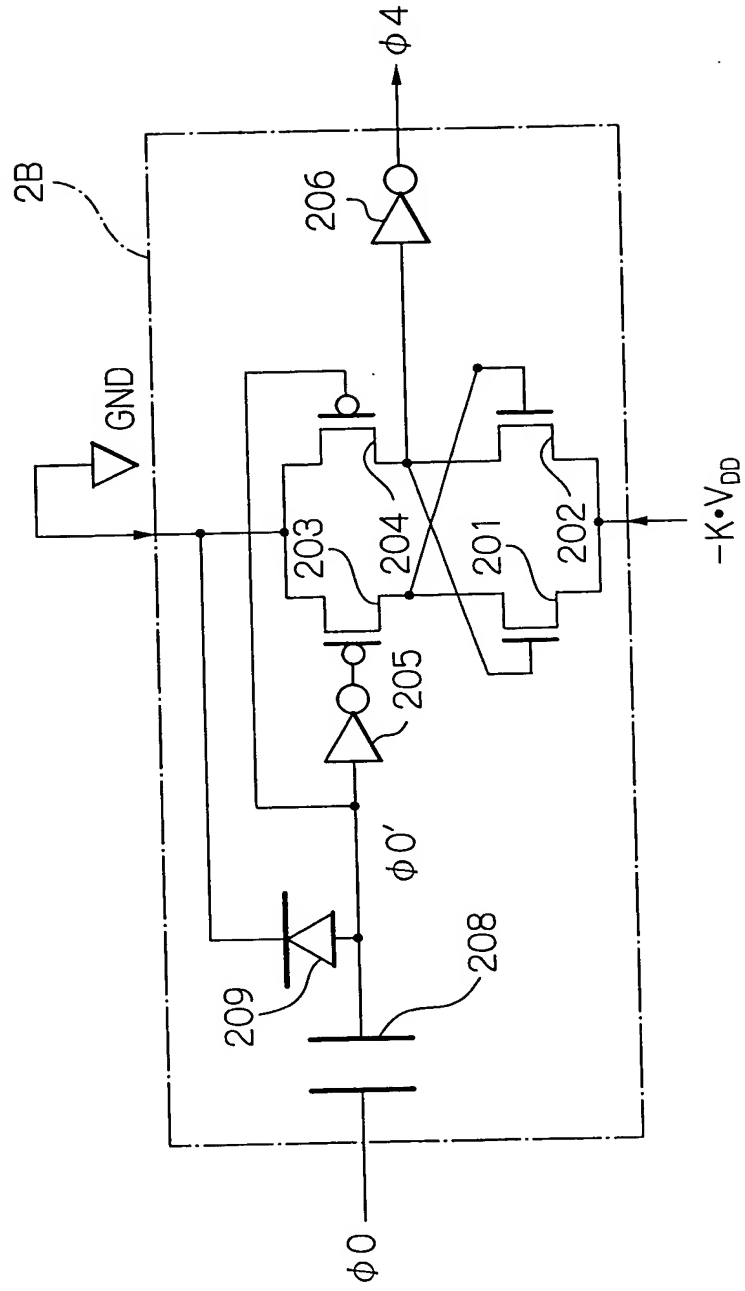


Fig. 17

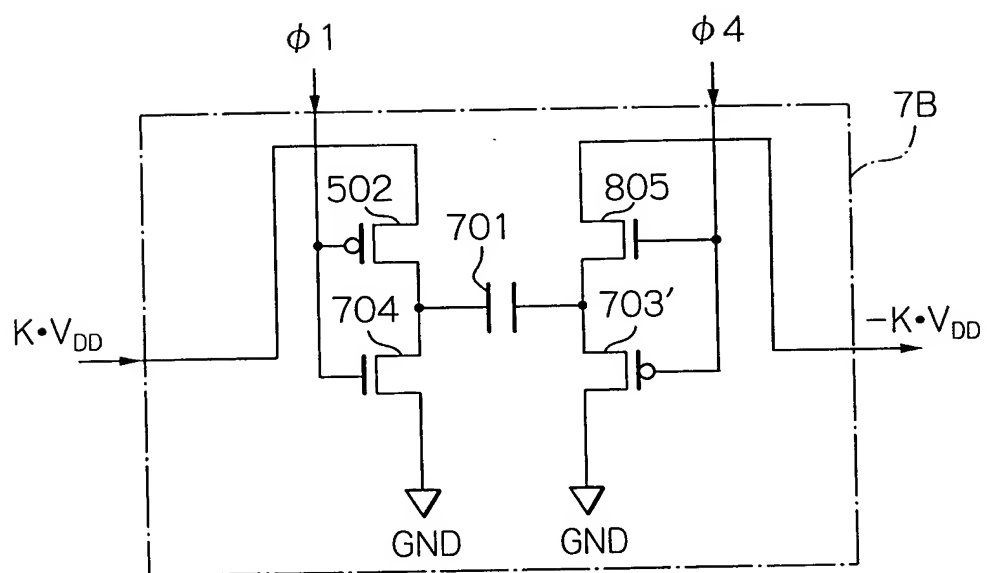


Fig. 18

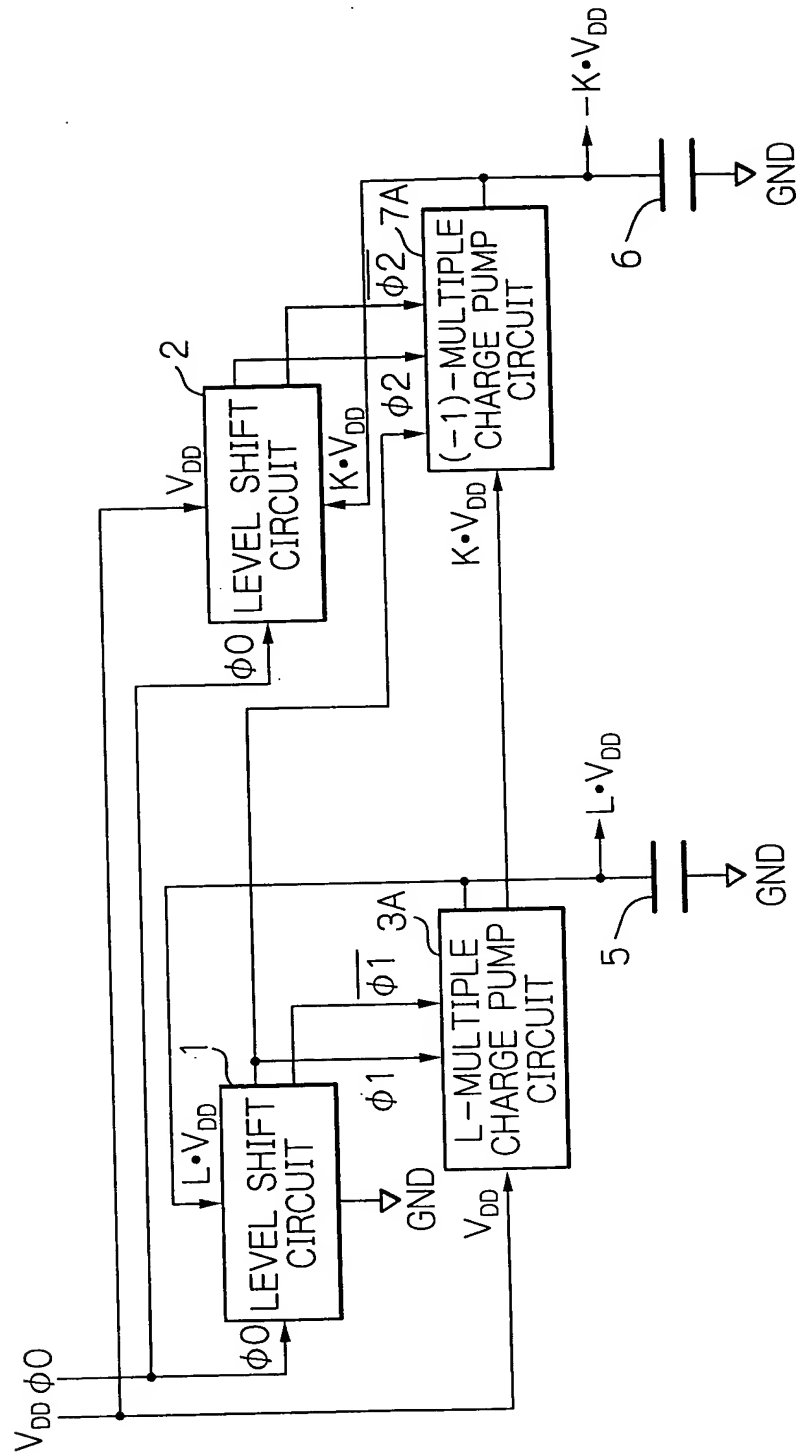
TRANSISTOR	ON GATE VOLTAGE	OFF GATE VOLTAGE
702	$< K \cdot V_{DD} - V_{tp} $	$> K \cdot V_{DD}$
703	$< - V_{tp} $	$> 0V$
704	$> V_{tn}$	$< 0V$
705	$> V_{tn} - K \cdot V_{DD}$	$< -K \cdot V_{DD}$

V_{tp} : THRESHOLD VOLTAGE OF P-CHANNEL MOS
 $(-V_{DD} < V_{tp} < 0V)$

V_{tn} : THRESHOLD VOLTAGE OF N-CHANNEL MOS
 $(0 < V_{tn} < V_{DD})$

18/30

Fig. 19



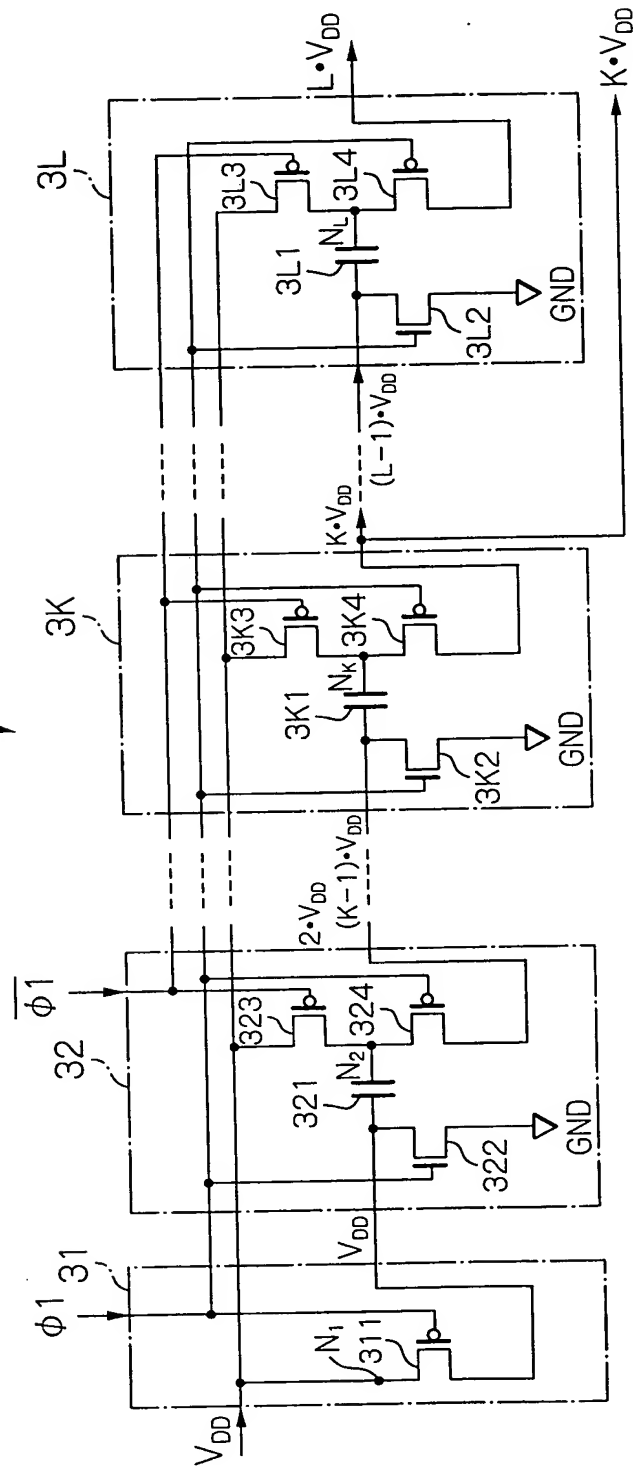
$$\frac{3A}{\sqrt{2}}$$


Fig. 21

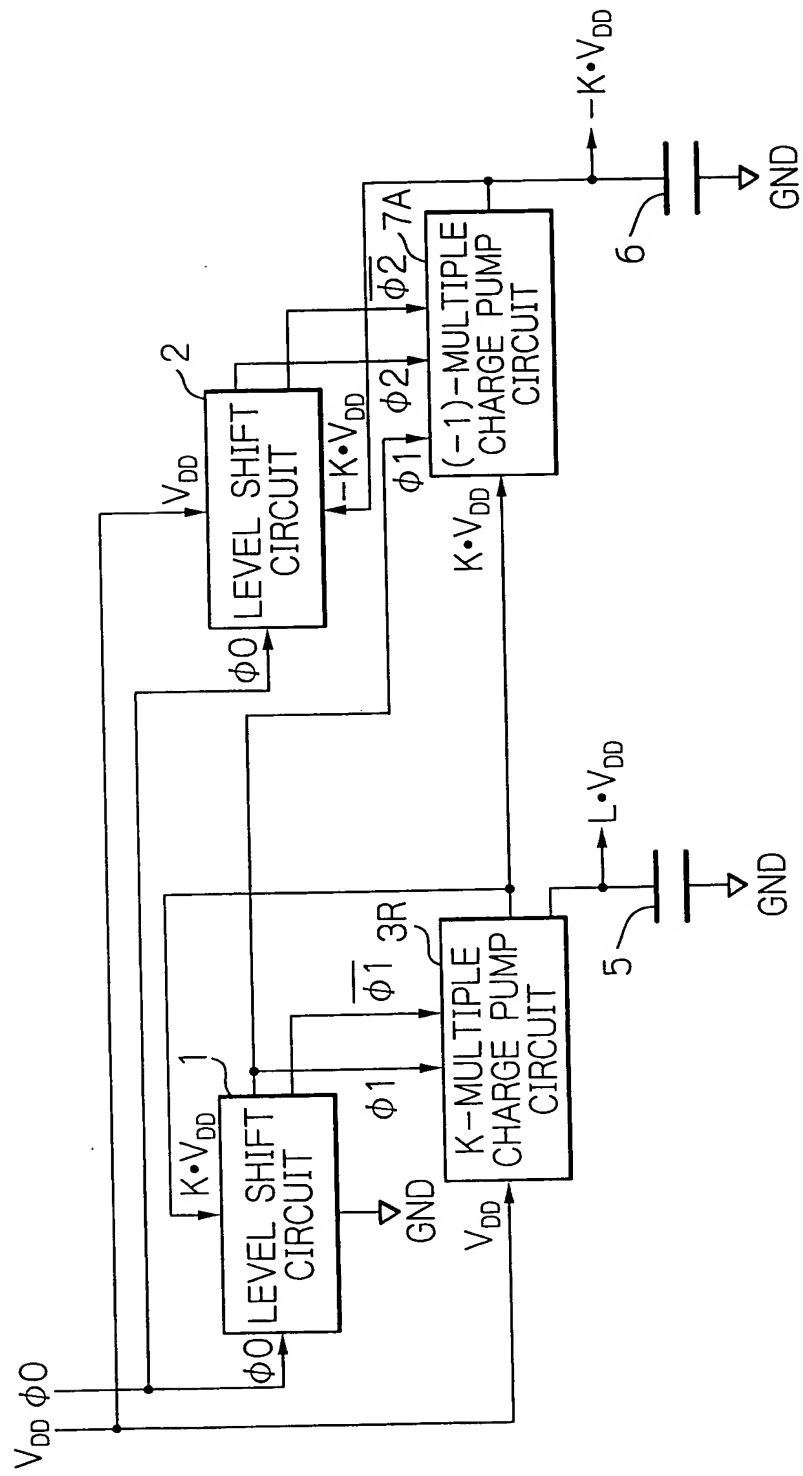


Fig. 22

3A

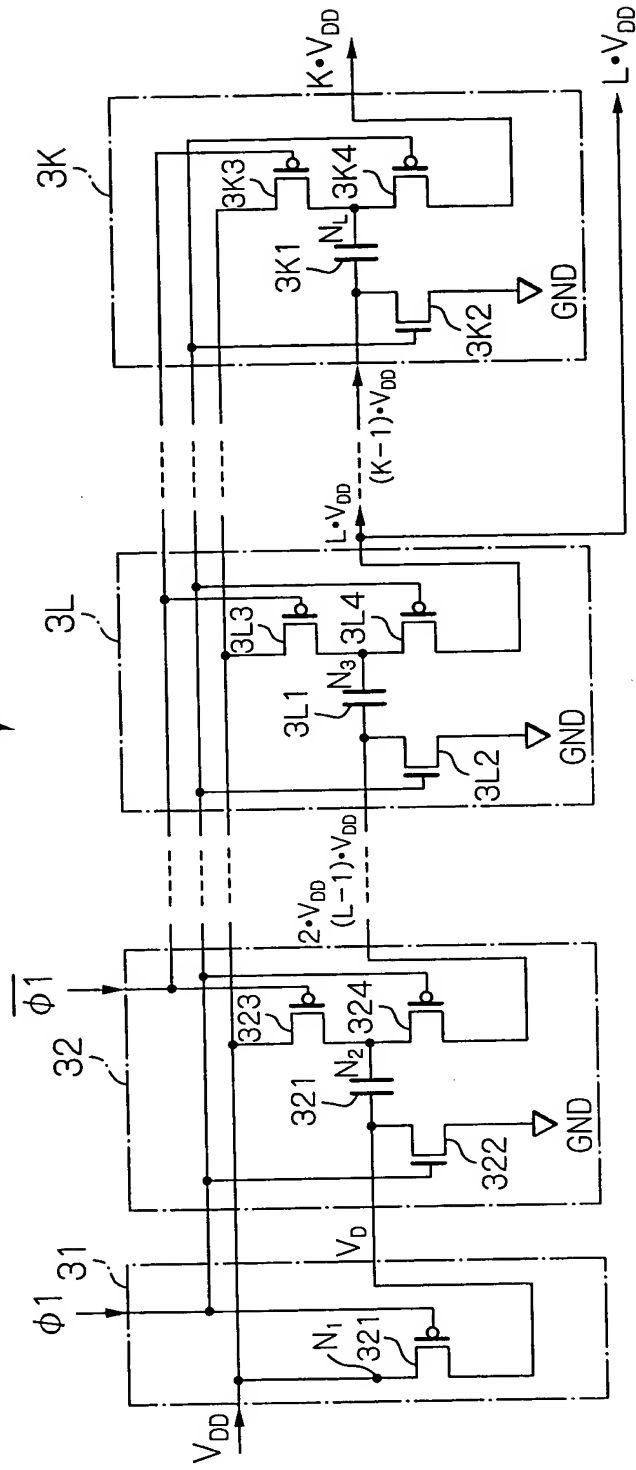
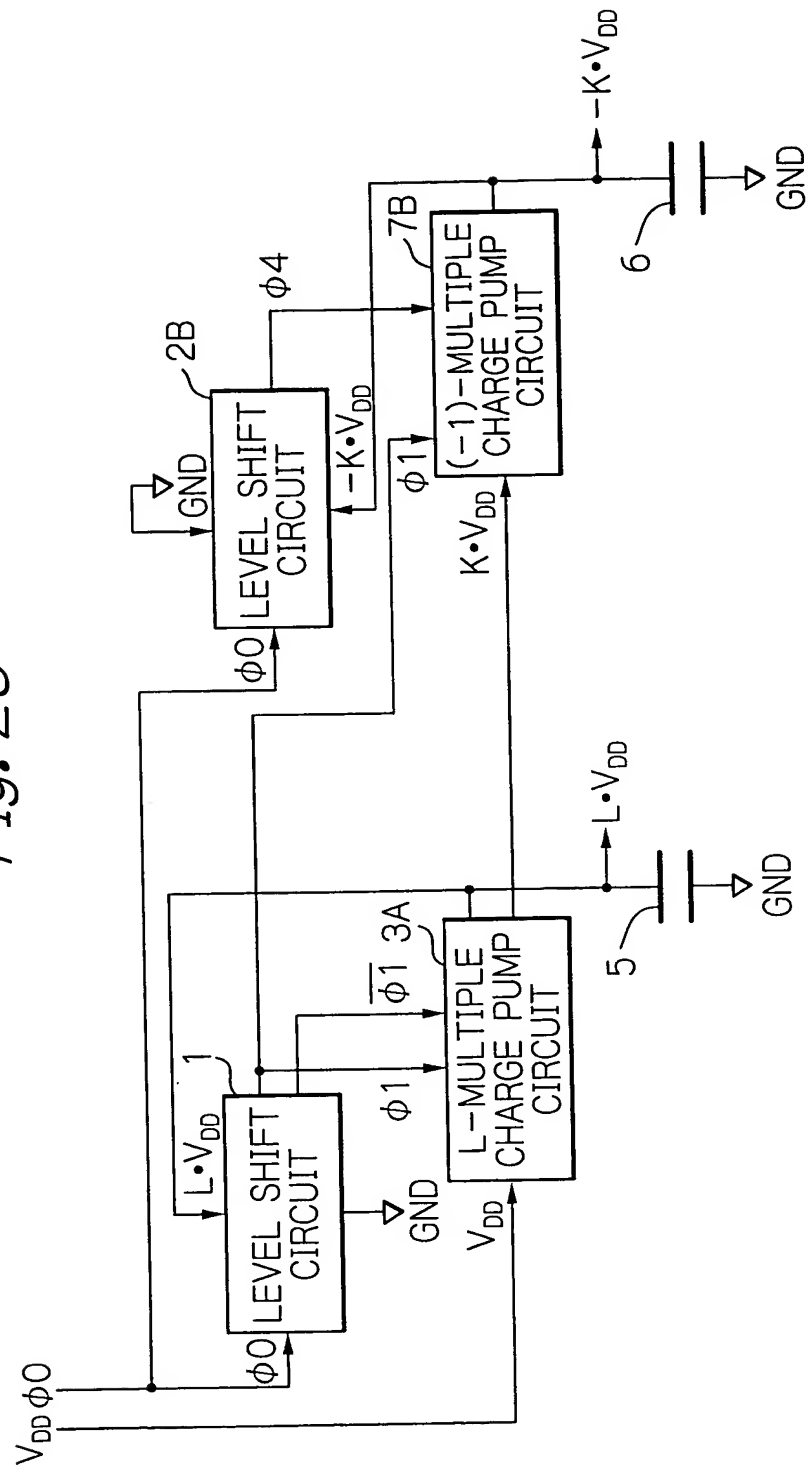
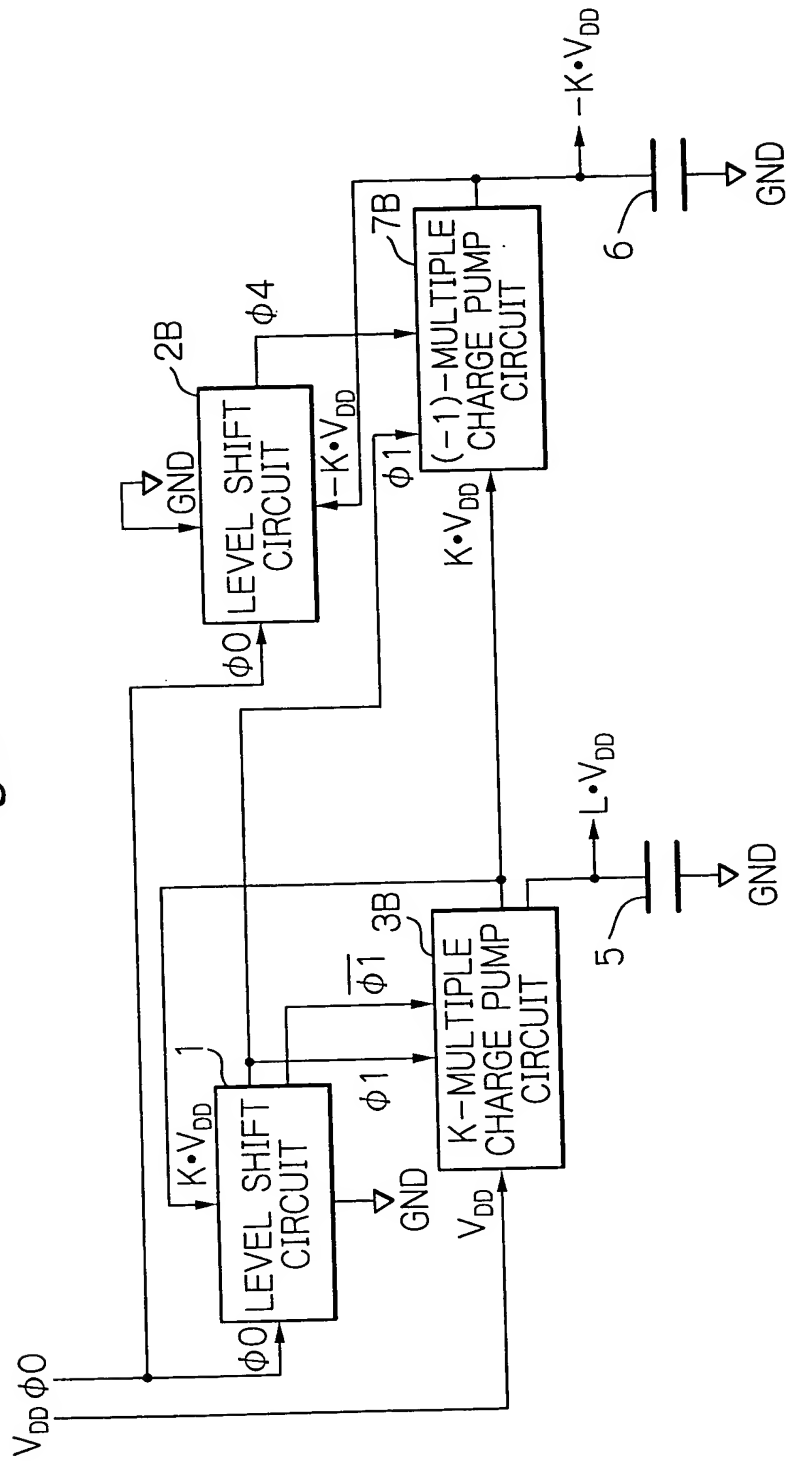


Fig. 23



23
 /
 30

Fig. 24



24/30

Fig. 25

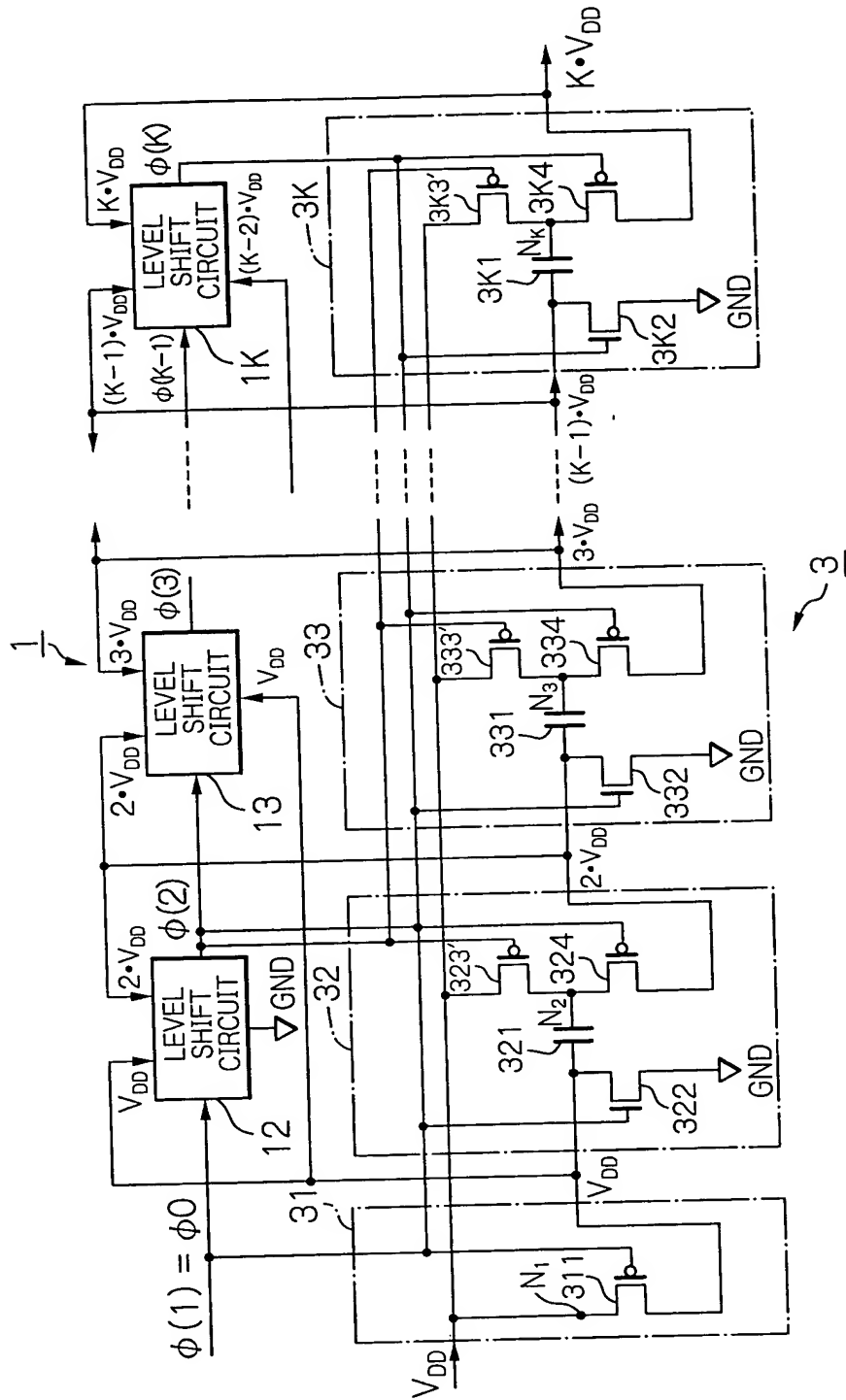


Fig. 26A

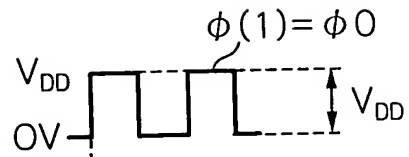


Fig. 26B

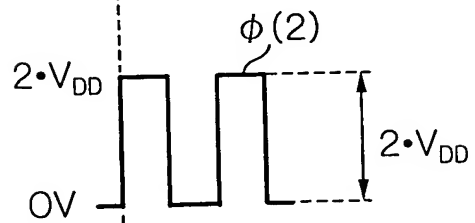


Fig. 26C

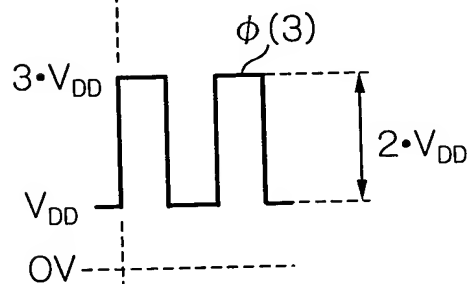


Fig. 26D

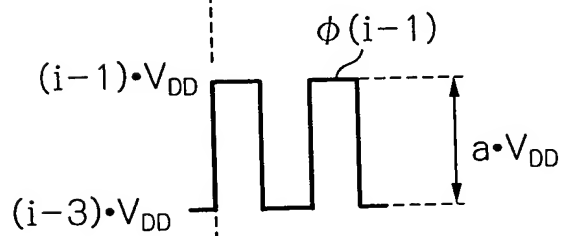
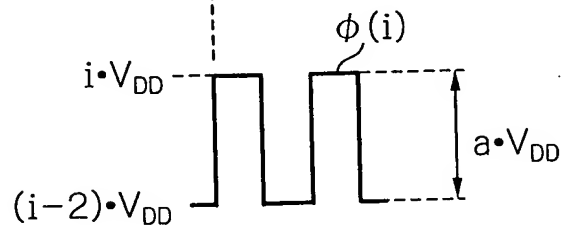


Fig. 26E



26
 /
 30

Fig. 27

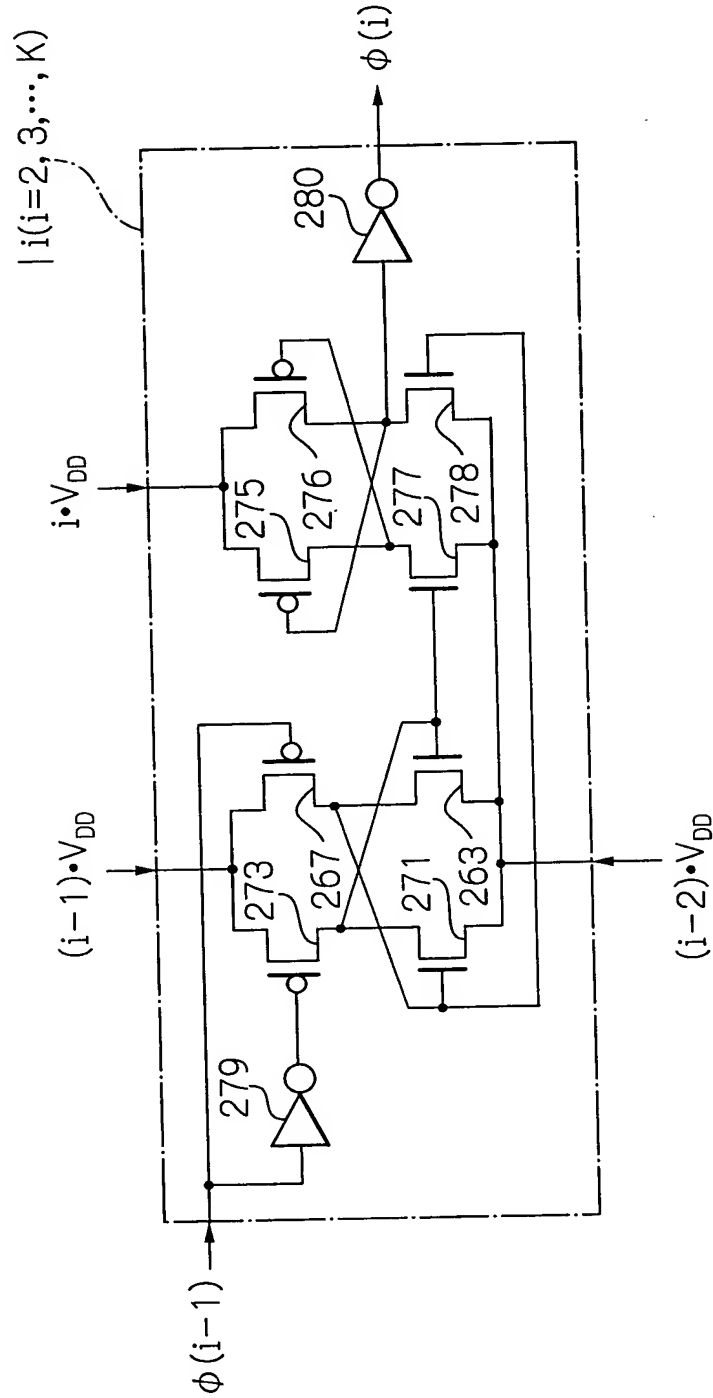
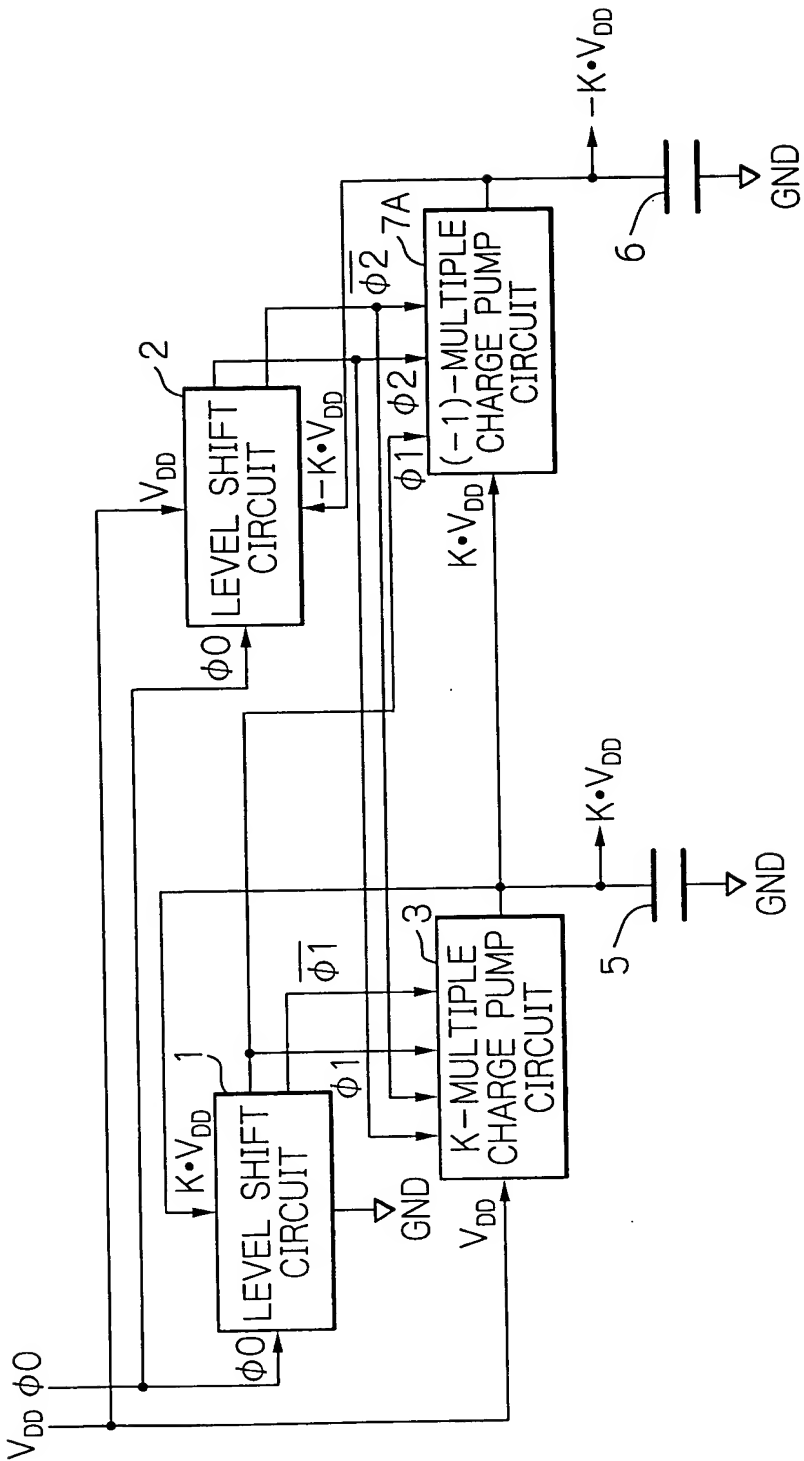
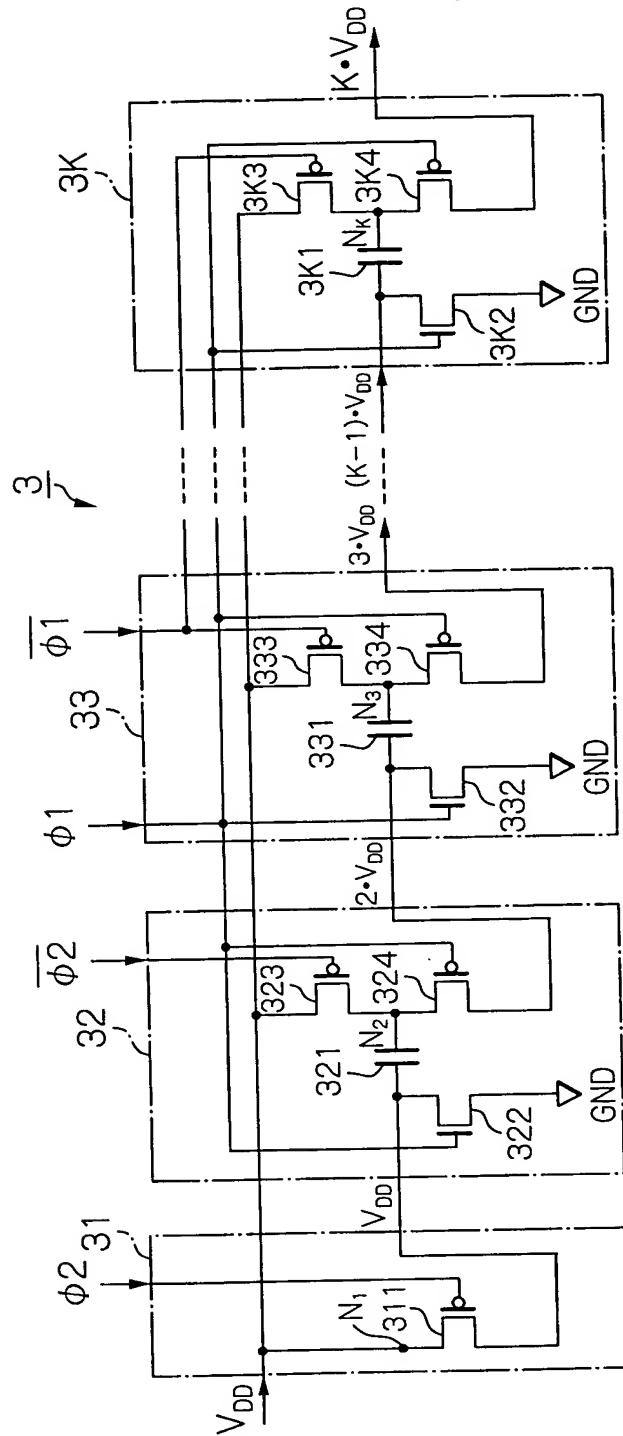


Fig. 28



28/
30

Fig. 29



29/
30

Fig. 30

TRANSISTOR	ON GATE VOLTAGE	OFF GATE VOLTAGE
311	$< K \cdot V_{DD} - V_{tp} $	$> V_{DD}$
322	$> V_{tn}$	$< 0V$
323	$< V_{DD} - V_{tp} $	$> V_{DD}$
324	$< 2 \cdot V_{DD} - V_{tp} $	$> 2 \cdot V_{DD}$

V_{tp} : THRESHOLD VOLTAGE OF P-CHANNEL MOS
 ($-V_{DD} < V_{tp} < 0V$)

V_{tn} : THRESHOLD VOLTAGE OF N-CHANNEL MOS
 ($0 < V_{tn} < V_{DD}$)

30
 /
 30

